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\*July, Part 1, pp. 1-208; July, Part 2, pp. 209-260; August, pp. 261-468; September, pp. 469-686; October, Part 1, pp. 687-916; October, Part 2, pp. 917-1054; November, pp. 1055-1298; December, pp. 1299-1578.



# Anterior descending coronary artery

Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)

Origin of the right coronary artery from the left anterior descending coronary artery: a very rare anomaly of coronary arterial origin (Habbab et al). 1987;114:169-70 (Brief comm.)

# Anterograde impulse penetration

Effect of concealed anterograde impulse penetration on retrograde atrioventricular nodal conduction in man (Lehmann et al). 1987;114:1374-83

# Antiarrhythmic agents

The antiarrhythmic effects of d-sotalol (Schwartz et al). 1987;114:539-44

Antihypertensive compounds as antiarrhythmic agents: focus on beta-blocking drugs in ventricular arrhythmias (Singh and Nademanee). 1987;114:1040-50 (Symposium)

Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

Encainide: a new and potent antiarrhythmic (Somberg et al). 1987;114:826-35 (Curriculum cardi.)

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine (Klein et al). 1987;114:551-8

Pharmacokinetics and pharmacodynamics of antiarrhythmic agents in patients with congestive heart failure (Woosley). 1987;114:1280-90 (Symposium)

Predictors of antiarrhythmic drug efficacy in patients with malignant ventricular tachyarrhythmias (Hohnloser et al). 1987;114:1-7

The proarrhythmic effects of antiarrhythmic drugs (Creamer et al). 1987;114:397-406 (Curriculum cardi.)

Sotalol: a beta blocker with unique antiarrhythmic properties (Singh and Nademanee). 1987;114:121-39 (Curriculum cardi.)

# Antihypertensive agents

Antihypertensive compounds as antiarrhythmic agents: focus on beta-blocking drugs in ventricular arrhythmias (Singh and Nademanee). 1987;114:1040-50 (Symposium)

Choice of antihypertensive drug therapy (Prichard and Tomlinson). 1987;114:1030-9 (Symposium)

Hypertension and coronary risk: possible adverse effects of antihypertensive drugs (Robertson). 1987;114:1051-4 (Symposium)

The role of antihypertensive drugs in counteracting adverse influence on large arteries (Levenson et al). 1987;114:992-7 (Symposium)

The role of antihypertensive pharmacologic treatment in counteracting adverse pathophysiological profiles: influence on small arteries (Dahlöf). 1987;114:984-91 (Symposium)

# Aorta

Aortic origin of the right pulmonary artery in an adult: successful surgical correction (Gibbs et al). 1987;114:1241-3 (Brief comm.)

Comparisons between diastolic fluttering and reverse doming of anterior mitral leaflet in aortic regurgitation (Trappe et al). 1987;114:1399-406

Complete evaluation of the cardiovascular lesions in 24 patients with Takayasu's aortitis using four-image, intravenous digital subtraction angiography (Yamamoto et al). 1987;114:1426-31

Doppler color flow mapping demonstration of diastolic mitral regurgitation in severe acute aortic regurgitation (Vandenbosche and Englert). 1987;114:889-90 (Brief comm.)

Disruption of the aortic valve as a result of *Haemophilus parainfluenzae* (Treister et al). 1987;114:663-6 (Brief comm.)

A new paraspinal window in the echocardiographic diagnosis of descending aortic dissection (Klein et al). 1987;114:902-4 (Brief comm.)

A prospective comparison of continuous wave versus high pulse repetition frequency Doppler echocardiography for quantifying transvalvular pressure gradients in adults with aortic stenosis (Rothbart et al). 1987;114:1155-62

Simultaneous percutaneous mitral and aortic balloon valvotomies in an elderly patient (Kritzer et al). 1987;114:420-3 (Brief comm.)

# Arrhythmia; see also Antiarrhythmic agents; Tachycardia

Arrhythmias as predictors of sudden death (Coulmel et al). 1987;114:929-37 (Symposium)

Childhood periodic paralysis with dysrhythmias: electrophysiologic and histopathologic evaluation (Karpawich et al). 1987;114:186-9 (Brief comm.)

Double-blind randomized comparison of intravenous tocainide versus lidocaine in the treatment of chronic ventricular arrhythmias (Mohiuddin et al). 1987;114:296-302

Factors causing arrhythmias in chronic congestive heart failure (Parmley). 1987;114:1267-72 (Symposium)

Introduction (Swan). 1987;114:1266 (Symposium)

Long-term experience with sotalol in the treatment of complex ventricular arrhythmias (Anastasiou-Nana et al). 1987;114:288-96

Meeting of the minds: treatment of arrhythmias in congestive heart failure (Swan). 1987;114:1265-98 (Symposium)

Nonpharmacologic treatment of life-threatening cardiac arrhythmias (Scheinman). 1987;114:1291-8 (Symposium)

Pharmacokinetics and pharmacodynamics of antiarrhythmic agents in patients with congestive heart failure (Woosley). 1987;114:1280-90 (Symposium)

Pharmacologic approaches to management of arrhythmias in patients with cardiomyopathy and heart failure (Myerburg et al). 1987;114:1273-9 (Symposium)

# Arteriography

Coronary arteriography in the intact rabbit: demonstration of coronary vasomotor and electrocardiographic effects of ergonovine and indomethacin in rabbits after abrupt cessation of prolonged nitroglycerin treatment (Booth et al). 1987;114:343-9

# Arteriovenous malformation

Diagnosis of cerebral arteriovenous malformation by contrast two-dimensional and Doppler ultrasonography of the head after saline injection in the umbilical arterial line (Mardini et al). 1987;114:450-4 (Brief comm.)

# Arteritis

Intramycardial coronary arteritis and restrictive cardiomyopathy (Papapietro et al). 1987;114:175-8 (Brief comm.)

# Artery

Experimental canine arterial thrombus formation and thrombolysis: a fiberoptic study (Tomaru et al). 1987;114:63-9

Influence of nifedipine on arterial baroreflex modulation of heart rate control during dynamic increases in arterial pressure: studies in normal man (Ferguson). 1987;114:773-81

Intramycardial coronary arteritis and restrictive cardiomyopathy (Papapietro et al). 1987;114:175-8 (Brief comm.)

The role of antihypertensive drugs in counteracting adverse influence on large arteries (Levenson et al). 1987;114:992-7 (Symposium)

The role of antihypertensive pharmacologic treatment in counteracting adverse pathophysiological profiles: influence on small arteries (Dahlöf). 1987;114:984-91 (Symposium)

Structural and functional adaptation of the chronically overloaded heart in arterial hypertension (Strauer). 1987;114:948-57 (Symposium)

Structure and function of the arteries in hypertension (Folkow). 1987;114:938-47 (Symposium)

# Atheromatous plaques

Thrombosed, ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: ten years' experience (Walts et al). 1987;114:718-23

# Atherosclerosis

Atherosclerotic coronary artery aneurysm progressing to coronary artery fistula: presentation as myocardial infarction with continuous murmur (Zalman et al). 1987;114:427-9 (Brief comm.)

Sex, plasma lipoproteins, and atherosclerosis: prevailing assumptions and outstanding questions (Godsland et al). 1987;114:1467-503 (Special report)

# Atresia

Abnormalities of the coronary circulation in pulmonary atresia and intact ventricular septum (Kasznic et al). 1987;114:1415-20

# Atrioventricular accessory pathways

Daily variability of electrically induced reciprocating tachycardia in patients with atrioventricular accessory pathways (Cinca et al). 1987;114:327-33

**Atrioventricular accessory pathways—Cont'd**

Effects of intravenous sotalol in patients with atrioventricular accessory pathways (Touboul et al). 1987;114:545-50

**Atrioventricular node**

Effect of concealed antegrade impulse penetration on retrograde atrioventricular nodal conduction in man (Lehmann et al). 1987;114:1374-83

Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

The hemodynamic effects of ventricular pacing with and without atrioventricular synchrony in patients with normal and diminished left ventricular function (DiCarlo et al). 1987;114:746-52

Late-onset unprecedented complete atrioventricular block after tetralogy of Fallot repair: electrophysiologic findings (Karpawich et al). 1987;114:654-6 (Brief comm.)

**Atrium**

Atrial fibrillation and atrial enlargement in patients with mitral stenosis (Keren et al). 1987;114:1146-55

Atrial septal hematoma: two-dimensional echocardiographic findings after blunt chest trauma (Rowe and Porter). 1987;114:650-2 (Brief comm.)

Augmented preexcitation assessed by scintigraphic phase analysis during atrial pacing (Botvinick et al). 1987;114:738-45

Coexistent mitral valve disease with left-to-right shunt at the atrial level: clinical profile, hemodynamics, and surgical considerations in 67 consecutive patients (Bashi et al). 1987;114:1406-14

Congenital right coronary artery-to-left atrium fistula detected by two-dimensional and Doppler echocardiography (Oliver et al). 1987;114:165-6 (Brief comm.)

Fistula between noncoronary sinus of Valsalva and right atrium after blunt chest trauma (Kamiya et al). 1987;114:429-31 (Brief comm.)

Hepatoma presenting as a right atrial mass (Miller et al). 1987;114:906-8 (Brief comm.)

Left atrial appendage aneurysm with associated anomalous pulmonary venous drainage (LaBarre et al). 1987;114:1243-5 (Brief comm.)

Prolonged survival associated with spontaneous disappearance of untreated right atrial intracavitary metastasis (Atay et al). 1987;114:437-40 (Brief comm.)

Septic pulmonary emboli secondary to an infected right atrial thrombus (Lam et al). 1987;114:178-80 (Brief comm.)

**Atropine**

Bedsides evaluation of sinus bradycardia: usefulness of atropine test in discriminating organic from autonomic involvement of sinus automaticity (Cappato et al). 1987;114:1384-8

**Autopsy**

Clinical suspicion of autopsy-proven thrombotic and tumor pulmonary embolism in cancer patients (Goldhaber et al). 1987;114:1432-5

**B****Balloon angioplasty**

Mechanical thrombectomy: a comparison of two rotational devices and balloon angioplasty in subacute canine femoral thrombosis (Hansen et al). 1987;114:1223-31 (Prog. cardiol.)

Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome (D'Orsogna et al). 1987;114:647-8 (Brief comm.)

Two-level left ventricular outflow balloon dilation: sequential therapeutic approach (Pan et al). 1987;114:162-5 (Brief comm.)

**Balloon valvotomy**

Simultaneous percutaneous mitral and aortic balloon valvotomies in an elderly patient (Kritzer et al). 1987;114:420-3 (Brief comm.)

**Balloon valvuloplasty**

Balloon dilation valvuloplasty of bioprosthetic valves in extra-cardiac conduits (Lloyd et al). 1987;114:268-74

Double-balloon valvuloplasty of tricuspid stenosis (Khalilullah et al). 1987;114:1232-3 (Brief comm.)

Rupture of tricuspid valve papillary muscle during balloon pulmonary valvuloplasty (Attia et al). 1987;114:1233-5 (Brief comm.)

**Band**

Pulmonary trunk stenosis due to constriction by a pericardial band (Nigri et al). 1987;114:448-50 (Brief comm.)

**Baroreflex**

Influence of nifedipine on arterial baroreflex modulation of heart rate control during dynamic increases in arterial pressure: studies in normal man (Ferguson). 1987;114:773-81

Progressive attenuation of the carotid baroreflex control of blood pressure and heart rate during exercise (Staessen et al). 1987;114:765-72

**Behavior**

Effect of discontinuance of type A behavioral counseling on type A behavior and cardiac recurrence rate of post myocardial infarction patients (Friedman et al). 1987;114:483-90

**Beta blocker**

Antihypertensive compounds as antiarrhythmic agents: focus on beta-blocking drugs in ventricular arrhythmias (Singh and Nademanee). 1987;114:1040-50 (Symposium)

Beta blockers and left ventricular hypertrophy in hypertension (Trimarco et al). 1987;114:975-83 (Symposium)

Esmolol: a titratable short-acting intravenous beta blocker for acute critical care settings (Turlapaty et al). 1987;114:866-85 (Special report)

Observations on increased susceptibility to coronary artery vasospasm during beta blockade (Nielsen et al). 1987;114:192-4 (Brief comm.)

Sotalol: a beta blocker with unique antiarrhythmic properties (Singh and Nademanee). 1987;114:121-39 (Curriculum cardiol.)

**Biopsy**

Predictive value of immunofluorescence and electron microscopic evaluation of endomyocardial biopsies in the diagnosis and prognosis of myocarditis and idiopathic dilated cardiomyopathy (Hammond et al). 1987;114:1055-65

**Bipolar stimulation**

Limitations of bipolar and unipolar conditioning stimuli for inhibition in the human heart (Stevenson et al). 1987;114:303-10

**Black population**

Trends in cardiovascular risk factors in an urban black population, 1973-74 to 1985: the Minnesota Heart Survey (Folsom et al). 1987;114:1199-205

**Blood flow**

Angioscopy of blood flow through stenotic arteries: rheologic mechanism of thrombosis (Uchida et al). 1987;114:1504-6 (Brief comm.)

Assessment of the relationship between distal occluded pressure and angiographically evident collateral flow during coronary angioplasty (Dervan et al). 1987;114:491-7

Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: a dose-ranging study (Fitzpatrick et al). 1987;114:97-105

Superiority of intracoronary papaverine to radiographic contrast for measuring coronary flow reserve in patients with ischemic heart disease (Hodgson and Williams). 1987;114:704-10

**Blood pressure; see also Hypertension**

Progressive attenuation of the carotid baroreflex control of blood pressure and heart rate during exercise (Staessen et al). 1987;114:765-72

**Bradycardia**

Bedsides evaluation of sinus bradycardia: usefulness of atropine test in discriminating organic from autonomic involvement of sinus automaticity (Cappato et al). 1987;114:1384-8

Atrial septal hematoma: two-dimensional echocardiographic findings after blunt chest trauma (Rowe and Porter). 1987;114:650-2 (Brief comm.)

**Brief communications**

Brief communications. 1987;114:159-97; 420-54; 639-68; 886-909; 1232-58; 1504-26

**Bypass**

Multiple (more than eight) bypass grafts in severe diffuse coronary disease: improved exercise tolerance and function classification in seventy-seven consecutive patients (Sommerhaug et al). 1987;114:710-7

Right-to-left intracardiac shunt and constrictive pericarditis following coronary artery bypass surgery (Kleiman et al). 1987;114:431-3 (Brief comm.)

## Bypass—Cont'd

Thrombosed, ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: ten years' experience (Walts et al). 1987;114:718-23

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### Calcification

Calcification of patent ductus arteriosus detected by two-dimensional echocardiography (Vargas-Barron et al). 1987;114:446-8 (Brief comm.)

### Cameral fistula

Magnetic resonance imaging and two-dimensional and Doppler echocardiography in the diagnosis of coronary cameral fistula (Wertheimer et al). 1987;114:159-62 (Brief comm.)

### Cancer

Clinical suspicion of autopsy-proven thrombotic and tumor pulmonary embolism in cancer patients (Goldhaber et al). 1987;114:1432-5

### Cardiac arrest

Electrophysiologic study in the management of cardiac arrest survivors: a critical review (Lo and Nguyen). 1987;114:596-606 (Curriculum cardiol.)

### Cardiology

The science and practice of pediatric cardiology in the next decade (Garson A). 1987;114:462-8 (Editorial)

### Cardiomyopathy

Influence of heart rate on metabolic and hemodynamic parameters in the Syrian hamster cardiomyopathy (Markiewicz et al). 1987;114:362-8

Intramycardial coronary arteritis and restrictive cardiomyopathy (Papapietro et al). 1987;114:175-8 (Brief comm.)

Late onset dilated cardiomyopathy in a unique familial syndrome of hypogonadism and metabolic abnormalities (Warren et al). 1987;114:1522-4 (Brief comm.)

Oncocytic cardiomyopathy of infancy with Wolff-Parkinson-White syndrome and ectopic foci causing tachyarrhythmias in children (Keller et al). 1987;114:782-92

Pharmacologic approaches to management of arrhythmias in patients with cardiomyopathy and heart failure (Myerburg et al). 1987;114:1273-9 (Symposium)

Predictive value of immunofluorescence and electron microscopic evaluation of endomyocardial biopsies in the diagnosis and prognosis of myocarditis and idiopathic dilated cardiomyopathy (Hammond et al). 1987;114:1055-65

### Cardiovascular outcomes

Cardiovascular outcomes of treating high blood pressure (Weber). 1987;114:964-71 (Symposium)

### Cardioversion

Hypokalemia after cardioversion from ventricular tachycardia induced in the electrophysiology laboratory (Salerno et al). 1987;114:1389-95

### Carotid artery

Progressive attenuation of the carotid baroreflex control of blood pressure and heart rate during exercise (Staessen et al). 1987;114:765-72

### Catecholamine

Catecholamine metabolism during pacing-induced angina pectoris and the effect of transcutaneous electrical nerve stimulation (Emanuelsson et al). 1987;114:1360-6

Catecholamine-sensitive ventricular tachycardia (Vlay). 1987;114:455-61 (Editorial)

### Catheter

Clinical laser revascularization of coronary obstruction with the coaxial-guided laser-heated metal cap catheter (Lee et al). 1987;114:1524-6 (Brief comm.)

Coarctation repair without cardiac catheterization in infants (George et al). 1987;114:1421-5

Localization of slow conduction in a ventricular tachycardia circuit: implications for catheter ablation (Stevenson et al). 1987;114:1253-8 (Brief comm.)

Mistaking catheter-induced coronary arterial dissection for coronary spasm (MacAlpin). 1987;114:671-86 (Editorial)

Successful catheter ablation of noninducible ventricular tachycardia (Colavita et al). 1987;114:1515-8 (Brief comm.)

### Cephalic vein

Cephalic vein guide wire technique for implantation of permanent pacemakers (Ong et al). 1987;114:753-6

## Cerebral artery

Diagnosis of cerebral arteriovenous malformation by contrast two-dimensional and Doppler ultrasonography of the head after saline injection in the umbilical arterial line (Mardini et al). 1987;114:450-4 (Brief comm.)

## Chest thump

Chest thump terminating atrioventricular nodal reentry tachycardia (Kracoff et al). 1987;114:904-5 (Brief comm.)

## Child

Oncocytic cardiomyopathy of infancy with Wolff-Parkinson-White syndrome and ectopic foci causing tachyarrhythmias in children (Keller et al). 1987;114:782-92

Ruptured sinus of Valsalva aneurysm in childhood (Gleason et al). 1987;114:1235-8 (Brief comm.)

The science and practice of pediatric cardiology in the next decade (Garson). 1987;114:462-8 (Editorial)

Twenty-five-year experience with ventricular septal defect in infants and children (Van Hare et al). 1987;114:606-14 (Curriculum cardiol.)

## Coarctation

Coarctation repair without cardiac catheterization in infants (George et al). 1987;114:1421-5

## Cold

Asymptomatic myocardial ischemia following cold provocation (Shea et al). 1987;114:469-76

Coronary vasoconstrictor response to cold pressor test in variant angina: lack of relation to intracoronary thromboxane concentrations (De Servi et al). 1987;114:511-5

## Collateral flow

Assessment of the relationship between distal occluded pressure and angiographically evident collateral flow during coronary angioplasty (Dervan et al). 1987;114:491-7

## Computed tomography

Thallium imaging with single photon emission computed tomography (Iskandrian et al). 1987;114:852-65 (Prog. cardiol.)

Thallium-201 single-photon emission computed tomographic estimates of left ventricular mass in patients with and without ischemic heart disease (Narahara et al). 1987;114:84-90

## Computer analysis

Computer versus visual analysis of exercise thallium-201 images: a critical appraisal in 325 patients with chest pain (Kaul et al). 1987;114:1129-37

## Conduction

Effect of concealed anterograde impulse penetration on retrograde atrioventricular nodal conduction in man (Lehmann et al). 1987;114:1374-83

## Congestive heart failure; see Heart failure

## Contrast agent

Successful left ventricular opacification following peripheral venous injection of sonicated contrast agent: an experimental evaluation (Keller et al). 1987;114:570-5

## Coronary artery

Abnormalities of the coronary circulation in pulmonary atresia and intact ventricular septum (Kasznica et al). 1987;114:1415-20

Angioplasty of chronic totally occluded coronary arteries: usefulness of retrograde opacification of the distal part of the occluded vessel via the contralateral coronary artery (Grolhier et al). 1987;114:1324-8

Atherosclerotic coronary artery aneurysm progressing to coronary artery fistula: presentation as myocardial infarction with continuous murmur (Zalman et al). 1987;114:427-9 (Brief comm.)

Cardiac pheochromocytoma involving the left main coronary artery presenting with exertional angina (Stowers et al). 1987;114:423-7 (Brief comm.)

Clinical laser revascularization of coronary obstruction with the coaxial-guided laser-heated metal cap catheter (Lee et al). 1987;114:1524-6 (Brief comm.)

Congenital right coronary artery-to-left atrium fistula detected by two-dimensional and Doppler echocardiography (Oliver et al). 1987;114:165-6 (Brief comm.)

Coronary angioplasty early after diagnosis of unstable angina (de Feyter et al). 1987;114:48-54

Coronary artery stenosis complicating coronary angioplasty: report of six cases (Hamby et al). 1987;114:639-43 (Brief comm.)

**Coronary artery—Cont'd**

- Differences in the frequency of ST segment depression during upright and supine exercise: assessment in normal and in patients with coronary artery disease (Bairey et al). 1987;114:1317-23
- Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:687-95
- Early reperfusion therapy improves left ventricular function after acute inferior myocardial infarction associated with right coronary artery disease (Bates et al). 1987;114:261-7
- Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)
- Exercise and ventricular ectopy: relationship to coronary artery disease (Coplan and Gleim). 1987;114:914-6 (Editorial)
- 5-Fluorouracil-induced coronary vasospasm (Burger and Manino). 1987;114:433-6 (Brief comm.)
- Hypertension and other risk factors in coronary heart disease (Kannel). 1987;114:918-25 (Symposium)
- Hypoplasia of the left coronary artery complicated by reversible myocardial ischemia in a newborn (Casta). 1987;114:1238-41 (Brief comm.)
- Intramycocardial coronary arteritis and restrictive cardiomyopathy (Papapietro et al). 1987;114:175-8 (Brief comm.)
- Magnetic resonance imaging and two-dimensional and Doppler echocardiography in the diagnosis of coronary cameral fistula (Wertheimer et al). 1987;114:159-62 (Brief comm.)
- Metabolic risk factors for coronary heart disease in women: perspective from the Framingham Study (Kannel). 1987;114:413-9 (Prog. cardi.)
- Metabolic support during coronary reperfusion (Staler et al). 1987;114:54-8
- Mistaking catheter-induced coronary arterial dissection for coronary spasm (MacAlpin). 1987;114:671-86 (Editorial)
- Multiple (more than eight) bypass grafts in severe diffuse coronary disease: improved exercise tolerance and functional classification in seventy-seven consecutive patients (Sommerhaug et al). 1987;114:710-7
- Observations on increased susceptibility to coronary artery vasospasm during beta blockade (Nielsen et al). 1987;114:192-4 (Brief comm.)
- Origin of the right coronary artery from the left anterior descending coronary artery: a very rare anomaly of coronary arterial origin (Habbab et al). 1987;114:169-70 (Brief comm.)
- Rapid development of severe coronary stenosis in a vessel with minimal angiographic irregularities (Zelman et al). 1987;114:1245-8 (Brief comm.)
- Retrograde transport of coronary thrombus by angioplasty guidewire (Kern et al). 1987;114:1506-8 (Brief comm.)
- Right and left coronary artery to left ventricle fistula detected by color Doppler flow mapping (Nishikimi et al). 1987;114:890-4 (Brief comm.)
- Right-to-left intracardiac shunt and constrictive pericarditis following coronary artery bypass surgery (Kleiman et al). 1987;114:431-3 (Brief comm.)
- Silent myocardial ischemia: II. Prognosis and implications for the clinical assessment of patients with coronary artery disease (Rozanski and Berman). 1987;114:627-38 (Prog. cardi.)
- ST segment changes in exercise body surface mapping after myocardial infarction in patients with isolated left anterior descending coronary artery disease (Yasumura et al). 1987;114:1120-8
- Superiority of intracoronary papaverine to radiographic contrast for measuring coronary flow reserve in patients with ischemic heart disease (Hodgson and Williams). 1987;114:704-10
- Thallium scintigraphic evidence of reversible myocardial ischemia caused by anomalous origin of the left main coronary artery from the anterior sinus of Valsalva (Lesnefsky et al). 1987;114:896-7 (Brief comm.)
- Thrombosed, ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: ten years' experience (Watts et al). 1987;114:718-23
- Variation in coronary arterial dimension (distensible abnormality) after disappearing aneurysm in Kawasaki disease (Kurusu et al). 1987;114:532-8

**Curriculum in cardiology**

- Curriculum in cardiology. 1987;114:121-47; 389-406; 596-614; 819-35; 1206-15; 1436-44

**Cyst**

- Ventricular tachycardia revealing a hydatid cyst (Sirinelli et al). 1987;114:656-9 (Brief comm.)

**D****Defibrillation**

- Effects of acute intravenous and chronic oral amiodarone on defibrillation energy requirements (Fain et al). 1987;114:8-17
- Relationship of left ventricular mass to defibrillation threshold for the implantable defibrillator: a combined clinical and animal study (Chapman et al). 1987;114:274-8

**Descending coronary artery**

- Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)
- Origin of the right coronary artery from the left anterior descending coronary artery: a very rare anomaly of coronary arterial origin (Habbab et al). 1987;114:169-70 (Brief comm.)

**Desethylamiodarone**

- Amiodarone efficacy in a young population: relationship to serum amiodarone and desethylamiodarone levels (Kannan et al). 1987;114:283-7

**Desiccation**

- Transcatheter desiccation of the canine left ventricle using radiofrequency energy: a pilot study (Huang et al). 1987;114:42-8

**Dextran**

- Hemodynamic effect of dextran, dobutamine, and pericardio-centesis in cardiac tamponade secondary to subacute heart rupture (Coma-Canella et al). 1987;114:78-84

**Diastolic function**

- Comparisons between diastolic flutter and reverse doming of anterior mitral leaflet in aortic regurgitation (Trappe et al). 1987;114:1399-1406
- Diastolic time in congestive heart failure (Meiler et al). 1987;114:1192-8
- Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:687-95
- Doppler color flow mapping demonstration of diastolic mitral regurgitation in severe acute aortic regurgitation (Vandenbosche and Englert). 1987;114:889-90 (Brief comm.)
- Evaluation of left ventricular diastolic function: clinical relevance and recent Doppler echocardiographic insights (Labovitz and Pearson). 1987;114:836-51 (Prog. cardi.)

**Digital electrocardiography**

- Clinically significant differences between the "old" analog and the "new" digital electrocardiograms (Garson). 1987;114:194-7 (Brief comm.)

**Digital subtraction angiography**

- Complete evaluation of the cardiovascular lesions in 24 patients with Takayasu's aortitis using four-image, intravenous digital subtraction angiography (Yamamoto et al). 1987;114:1426-31

**Digoxin**

- Age-related digoxin effects in an intact canine model (Murphy et al). 1987;114:583-8
- Vasodilators as first-line therapy for congestive heart failure: a comparative hemodynamic study of hydralazine, digoxin, and their combination (Ribner et al). 1987;114:91-6

**Diltiazem**

- Long-term renal effects of diltiazem in essential hypertension (Sunderrajan et al). 1987;114:383-8

**Dipyridamole thallium cardiac imaging**

- Comparison of intravenous dipyridamole thallium cardiac imaging with exercise radionuclide angiography (Okada et al). 1987;114:524-31

**Diuretics**

- The influence of non-beta-blocking drugs on the lipid profile: are diuretics outclassed as initial therapy for hypertension? (Ames). 1987;114:998-1006 (Symposium)

**Dobutamine**

- Hemodynamic effect of dextran, dobutamine, and pericardio-centesis in cardiac tamponade secondary to subacute heart rupture (Coma-Canella et al). 1987;114:78-84
- Outpatient dobutamine and dopamine infusions in the management of chronic heart failure: clinical experience in 21 patients (Appelfeld et al). 1987;114:589-95



# **Dopamine**

Outpatient dobutamine and dopamine infusions in the management of chronic heart failure: clinical experience in 21 patients (Appelfeld et al). 1987;114:589-95

# **Doppler technology**

Color Doppler echocardiographic assessment of the change in the mitral regurgitant volume (Otsuji et al). 1987;114:349-54

Congenital right coronary artery-to-left atrium fistula detected by two-dimensional and Doppler echocardiography (Oliver et al). 1987;114:165-6 (Brief comm.)

Diagnosis of cerebral arteriovenous malformation by contrast two-dimensional and Doppler ultrasonography of the head after saline injection in the umbilical arterial line (Mardini et al). 1987;114:450-4 (Brief comm.)

Doppler color flow mapping demonstration of diastolic mitral regurgitation in severe acute aortic regurgitation (Vandembosche and Englert). 1987;114:889-90 (Brief comm.)

Evaluation of left ventricular diastolic function: clinical relevance and recent Doppler echocardiographic insights (Labovitz and Pearson). 1987;114:836-51 (Prog. cardiol.)

Evaluation of normal prosthetic valve function by Doppler echocardiography (Cooper et al). 1987;114:576-82

Magnetic resonance imaging and two-dimensional and Doppler echocardiography in the diagnosis of coronary cameral fistula (Wertheimer et al). 1987;114:159-62 (Brief comm.)

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# **Dosing**

Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: a dose-ranging study (Fitzpatrick et al). 1987;114:97-105

# **Drugs; see also Pharmacology; specific drugs**

# **Dyskinesia**

Contrast perfusion echocardiography: identification of area at risk of dyskinesia during percutaneous transluminal coronary angioplasty (Griffin et al). 1987;114:497-502

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# **Dysrhythmias; see also Arrhythmias**

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# **E**

# **Ebstein's anomaly**

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# **Echocardiography**

Atrial septal hematoma: two-dimensional echocardiographic findings after blunt chest trauma (Rowe and Porter). 1987;114:650-2 (Brief comm.)

# **Echocardiography—Cont'd**

Calcification of patent ductus arteriosus detected by two-dimensional echocardiography (Vargas-Barron et al). 1987;114:446-8 (Brief comm.)

Color Doppler echocardiographic assessment of the change in the mitral regurgitant volume (Otsuji et al). 1987;114:349-54

Complementary use of two-dimensional echocardiography and magnetic resonance imaging in the diagnosis of ventricular myxoma (Camesas et al). 1987;114:440-2 (Brief comm.)

Congenital right coronary artery-to-left atrium fistula detected by two-dimensional and Doppler echocardiography (Oliver et al). 1987;114:165-6 (Brief comm.)

Contrast perfusion echocardiography: identification of area at risk of dyskinesia during percutaneous transluminal coronary angioplasty (Griffin et al). 1987;114:497-502

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A prospective comparison of continuous wave versus high pulse repetition frequency Doppler echocardiography for quantifying transvalvular pressure gradients in adults with aortic stenosis (Rothbart et al). 1987;114:1155-62

Risk stratification after acute myocardial infarction by means of exercise two-dimensional echocardiography (Ryan et al). 1987;114:1305-16

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Serial Doppler echocardiographic evaluation of an acutely thrombosed mitral valve prosthesis during thrombolytic therapy (Camesas et al). 1987;114:1511-3 (Brief communications)

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Two-dimensional echocardiographic detection of biatrial thrombi (Okun et al). 1987;114:184-6 (Brief comm.)

Two-dimensional echocardiography and color Doppler imaging in patients with systolic-diastolic murmurs (Vargas-Barron et al). 1987;114:1461-6 (Prog. cardiol.)

**Ectopy**  
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The prognostic value of the changes in the mode of ventricular tachycardia induction noted during therapy with a marked reduction of ventricular ectopic activity (Kim et al). 1987;114:1138-45

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**Electrocardiography**

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Predictive value of immunofluorescence and electron microscopic evaluation of endomyocardial biopsies in the diagnosis and prognosis of myocarditis and idiopathic dilated cardiomyopathy (Hammond et al). 1987;114:1055-65

**Electrophysiology**

Cellular electrophysiologic characteristics of surviving subendocardial fibers in chronically infarcted right ventricular myocardium susceptible to inducible sustained ventricular tachycardia (Sugi et al). 1987;114:559-69

Chronic flecainide therapy selected by electrophysiology testing of intravenous flecainide (Somberg et al). 1987;114:18-25

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Pulmonary embolism and thrombophlebitis in the United States, 1970-1985 (Gillum). 1987;114:1262-4 (Editorial)

**Encainide**

Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

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**Endocarditis**

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**Endomyocardial biopsies**

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**Exercise**

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Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)

Exercise and ventricular ectopy: relationship to coronary artery disease (Coplan and Gleim). 1987;114:914-6 (Editorial)

Merits and limitations of quantitative treadmill exercise score (Vergari et al). 1987;114:819-25 (Curriculum cardiol.)

Multiple (more than eight) bypass grafts in severe diffuse coronary disease: improved exercise tolerance and functional classification in seventy-seven consecutive patients (Sommerhaug et al). 1987;114:710-7

Progressive attenuation of the carotid baroreflex control of blood pressure and heart rate during exercise (Staessen et al). 1987;114:765-72

Risk stratification after acute myocardial infarction by means of exercise two-dimensional echocardiography (Ryan et al). 1987;114:1305-16

Significance of T wave normalization in the electrocardiogram during exercise stress test (Marin et al). 1987;114:1342-8

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**F****F-18 2-deoxyglucose uptake**

Relationship between Tl-201, Tc-99m (Sn) pyrophosphate, and F-18 2-deoxyglucose uptake in ischemically injured dog myocardium (Sochor et al). 1987;114:1066-77

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# **Fibrinous strands**

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# **Fistula**

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Congenital right coronary artery-to-left atrium fistula detected by two-dimensional and Doppler echocardiography (Oliver et al). 1987;114:165-6 (Brief comm.)

Fistula between noncoronary sinus of Valsalva and right atrium after blunt chest trauma (Kamiya et al). 1987;114:429-31 (Brief comm.)

Magnetic resonance imaging and two-dimensional and Doppler echocardiography in the diagnosis of coronary cameral fistula (Wertheimer et al). 1987;114:159-62 (Brief comm.)

Right and left coronary artery to left ventricle fistula detected by color Doppler flow mapping (Nishikimi et al). 1987;114:890-4 (Brief comm.)

# **Flecainide**

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# **Flow mapping**

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Right and left coronary artery to left ventricle fistula detected by color Doppler flow mapping (Nishikimi et al). 1987;114:890-4 (Brief comm.)

In vitro methods for studying the accuracy of velocity determination and spatial resolution of a color Doppler flow mapping system (Tamura et al). 1987;114:152-8 (Prog. cardiol.)

# **Fluorouracil**

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# **Fluttering**

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# **Framingham Study**

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# **Functional capacity**

The prognostic value of functional capacity in patients with mild to moderate heart failure (Willens et al). 1987;114:377-82

## **G**

# **Gradients**

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# **Haemophilus parainfluenzae**

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# **Heart failure—Cont'd**

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Meeting of the minds: treatment of arrhythmias in congestive heart failure (Swan). 1987;114:1265-98 (Symposium)

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Pharmacokinetics and pharmacodynamics of antiarrhythmic agents in patients with congestive heart failure (Woosley). 1987;114:1280-90 (Symposium)

Pharmacologic approaches to management of arrhythmias in patients with cardiomyopathy and heart failure (Myerburg et al). 1987;114:1273-9 (Symposium)

Piroximone (MDL 19, 205) in the treatment of unstable and stable chronic cardiac failure (Weber et al). 1987;114:805-13

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The prognostic value of functional capacity in patients with mild to moderate heart failure (Willens et al). 1987;114:377-82

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# **Heart rate**

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Influence of heart rate on metabolic and hemodynamic parameters in the Syrian hamster cardiomyopathy (Markiewicz et al). 1987;114:362-8

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# **Hematoma**

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# **Hemodynamics**

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**Hiatus hernia**

Hydropneumopericardium with tamponade as a late complication of surgical repair of hiatus hernia (de Bruyne et al). 1987;114:444-6 (Brief comm.)

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**Hydropneumopericardium**

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**Hyper eosinophilic syndrome**

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**Hyperkalemic pacemaker**

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Structural and functional adaptation of the chronically overloaded heart in arterial hypertension (Strauer). 1987;114:948-57 (Symposium)

Structure and function of the arteries in hypertension (Folkow). 1987;114:938-47 (Symposium)

What are we trying to prevent by controlling hypertension? (Oliver). 1987;114:1011-2 (Symposium)

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Biventricular cardiac hypertrophy in essential hypertension (Nunez et al). 1987;114:813-8

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Hypokalemia after cardioversion from ventricular tachycardia induced in the electrophysiology laboratory (Salerno et al). 1987;114:1389-95

**Hypoplasia**

Hypoplasia of the left coronary artery complicated by reversible myocardial ischemia in a newborn (Casta). 1987;114:1238-41 (Brief comm.)

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**Infarction; see Myocardial infarction****Intervention trials**

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Review of primary prevention trials (Rose). 1987;114:1013-7 (Symposium)



# Interventricular septal motion

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# K

# Kawasaki disease

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# Laser

Clinical laser revascularization of coronary obstruction with the coaxial-guided laser-heated metal cap catheter (Lee et al). 1987;114:1524-6 (Brief comm.)

# Left ventricle; see Arrhythmia; Ventricle

# Letters

Anterior plus inferior myocardial infarction and single-vessel disease (Ilija et al) (Letter); (Janosil) (Letter reply). 1987;114:1529

Aortic pseudoaneurysm with right atrial communication shown by Doppler color flow imaging (Hoadley). 1987;114:1535-6

Coronary rupture and PTCA (Wertheimer et al) (Letter); (Goldman) (Letter reply). 1987;114:1528

# Letters—Cont'd

Etiologic spectrum of constrictive pericarditis (Spodick) (Letter); (Hancock) (Letter reply). 1987;114:1529-30

High-degree atrioventricular block in the endurance athlete (Aronson) (Letter); (DiNardo-Ekery) (Letter reply). 1987;114:1531-2

Hypokalemia in acute myocardial infarction (Borgia and Pasquale). 1987;114:1534

Non-Q wave myocardial infarction (Goldberg). 1987;114:1535

Postural-induced complete heart block (Schwela and Oltmanns) (Letter); (Belhassen) (Letter reply). 1987;114:1532-4

Reproducibility of defibrillation threshold (Lang) (Letter); (Jones and Klein) (Letter reply). 1987;114:1530-1

Simplified Doppler estimation of mitral valve area (Yang and Goldberg) (Letter); (Pearlman) (Letter reply). 1987;114:1531

Smoking plus hypercholesterolemia and coronary risk (Perkins) (Letter); (Neaton) (Letter reply). 1987;114:1527-8

# Lidocaine

Double-blind randomized comparison of intravenous tocainide versus lidocaine in the treatment of chronic ventricular arrhythmias (Mohiuddin et al). 1987;114:296-302

# Lipid profile

The influence of non-beta-blocking drugs on the lipid profile: are diuretics outclassed as initial therapy for hypertension? (Ames). 1987;114:998-1006 (Symposium)

# Lipoproteins

Double-blind trial of the long-term effects of acebutolol and propranolol on serum lipoproteins in patients with stable angina pectoris (Miller et al). 1987;114:1007-10 (Symposium)

Sex, plasma lipoproteins, and atherosclerosis: prevailing assumptions and outstanding questions (Godsland et al). 1987;114:1467-503 (Special report)

# Luminal changes

Angiographic and angioscopic observations of the arterial luminal changes induced by vasospasm (Uchida et al). 1987;114:1096-101

# Lung scanning

Impact of lung scanning on the management of suspected pulmonary embolism (Dawley and Goldhaber). 1987;114:669-71 (Editorial)

# M

# Magnetic resonance imaging

Biventricular cavity obliteration by metastatic malignant melanoma: role of magnetic resonance imaging in the diagnosis (Gindea et al). 1987;114:1249-53 (Brief comm.)

Complementary use of two-dimensional echocardiography and magnetic resonance imaging in the diagnosis of ventricular myxoma (Camesas et al). 1987;114:440-2 (Brief comm.)

Magnetic resonance imaging and two-dimensional and Doppler echocardiography in the diagnosis of coronary cameral fistula (Wertheimer et al). 1987;114:159-62 (Brief comm.)

# Mapping

Epicardial mapping during induction of nonsustained polymorphic ventricular tachycardia in a 7-day-old canine myocardial infarction model (Ogawa et al). 1987;114:34-41

ST segment changes in exercise body surface mapping after myocardial infarction in patients with isolated left anterior descending coronary artery disease (Yasumura et al). 1987;114:1120-8

In vitro methods for studying the accuracy of velocity determination and spatial resolution of a color Doppler flow mapping system (Tamura et al). 1987;114:152-8 (Prog. cardiol.)

# Mass

Relationship of left ventricular mass to defibrillation threshold for the implantable defibrillator: a combined clinical and animal study (Chapman et al). 1987;114:274-8

# Melanoma

Biventricular cavity obliteration by metastatic malignant melanoma: role of magnetic resonance imaging in the diagnosis (Gindea et al). 1987;114:1249-53 (Brief comm.)

# Metabolic factors

Late onset dilated cardiomyopathy in a unique familial syndrome of hypogonadism and metabolic abnormalities (Warren et al). 1987;114:1522-4 (Brief comm.)

**Metabolic factors—Cont'd**

Metabolic risk factors for coronary heart disease in women: perspective from the Framingham Study (Kannel). 1987;114:413-9 (Prog. cardiol.)

Metabolic support during coronary reperfusion (Staler et al). 1987;114:54-8

**Metastasis**

Prolonged survival associated with spontaneous disappearance of untreated right atrial intracavitary metastasis (Atay et al). 1987;114:437-40 (Brief comm.)

**Microbubbles**

Successful left ventricular opacification following peripheral venous injection of sonicated contrast agent: an experimental evaluation (Keller et al). 1987;114:570-5

**Microscopic evaluation**

Predictive value of immunofluorescence and electron microscopic evaluation of endomyocardial biopsies in the diagnosis and prognosis of myocarditis and idiopathic dilated cardiomyopathy (Hammond et al). 1987;114:1055-65

**Milrinone**

Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: a dose-ranging study (Fitzpatrick et al). 1987;114:97-105

**Minnesota Heart Survey**

Trends in cardiovascular risk factors in an urban black population, 1973-74 to 1985: the Minnesota Heart Survey (Folsom et al). 1987;114:1199-205

**Mitral leaflet**

Comparisons between diastolic fluttering and reverse doming of anterior mitral leaflet in aortic regurgitation (Trappe et al). 1987;114:399-406

The QT and QS<sub>1</sub> intervals in patients with mitral leaflet prolapse (Chambers and Ward). 1987;114:355-61

**Mitral valve**

Atrial fibrillation and atrial enlargement in patients with mitral stenosis (Keren et al). 1987;114:1146-55

Coexistent mitral valve disease with left-to-right shunt at the atrial level: clinical profile, hemodynamics, and surgical considerations in 67 consecutive patients (Bashi et al). 1987;114:1406-14

Color Doppler echocardiographic assessment of the change in the mitral regurgitant volume (Otsuji et al). 1987;114:349-54

Congenital mitral insufficiency secondary to anomalous mitral arcade in an adult (Perez et al). 1987;114:894-5 (Brief comm.)

Doppler color flow mapping demonstration of diastolic mitral regurgitation in severe acute aortic regurgitation (Vandenbossche and Englert). 1987;114:889-90 (Brief comm.)

Limits of mitral valve apparatus distensibility: observations from balloon mitral valvotomy in a canine model (Rediker et al). 1987;114:1513-5 (Brief comm.)

Mitral valve prolapse with mobile polypoid cul-de-sac thrombus and embolism to brain and lower extremity (Egeblad and Hesse). 1987;114:648-50 (Brief comm.)

Serial Doppler echocardiographic evaluation of an acutely thrombosed mitral valve prosthesis during thrombolytic therapy (Camesas et al). 1987;114:1511-3 (Brief comm.)

Simultaneous percutaneous mitral and aortic balloon valvotomies in an elderly patient (Kritzer et al). 1987;114:420-3 (Brief comm.)

Transient severe mitral and tricuspid regurgitation following blunt chest trauma (Dodd et al). 1987;114:652-4 (Brief comm.)

**Monitoring**

Ambulatory monitoring of blood pressure as a predictor of cardiovascular risk (Pickering and Devereux). 1987;114:925-8 (Symposium)

Therapeutic drug monitoring in cardiology: recognizing pitfalls and problems (Ochs and Greenblatt). 1987;114:204-8 (Editorial)

**Mortality rate**

Five-year mortality rate in relation to enzyme-estimated infarct size in acute myocardial infarction (Herlitz et al). 1987;114:731-7

**Motion; see Wall motion****Murmur**

Atherosclerotic coronary artery aneurysm progressing to coronary artery fistula: presentation as myocardial infarction with continuous murmur (Zalman et al). 1987;114:427-9 (Brief comm.)

**Murmur—Cont'd**

Two-dimensional echocardiography and color Doppler imaging in patients with systolic-diastolic murmurs (Vargas-Barron et al). 1987;114:1461-6 (Prog. cardiol.)

**Myeloproliferative disorder**

Rapid development of left ventricular thrombus in a patient with myeloproliferative disorder (Toto et al). 1987;114:436-7 (Brief comm.)

**Myocardial infarction**

Accelerated hypertension complicated by myocardial infarction after use of a local anesthetic/vasoconstrictor preparation (Pearson et al). 1987;114:662-3 (Brief comm.)

Atherosclerotic coronary artery aneurysm progressing to coronary artery fistula: presentation as myocardial infarction with continuous murmur (Zalman et al). 1987;114:427-9 (Brief comm.)

Early and late global and regional left ventricular function after experimental transmural myocardial infarction: relationships of regional wall motion, wall thickening, and global performance (Kittleson et al). 1987;114:70-8

Early reperfusion therapy improves left ventricular function after acute inferior myocardial infarction associated with right coronary artery disease (Bates, Topol, Kline, et al). 1987;114:261-7

Effect of discontinuance of type A behavioral counseling on type A behavior and cardiac recurrence rate of post myocardial infarction patients (Friedman et al). 1987;114:483-90

Effect of papaverine administration on myocardial echocontrast distribution (Ten Cate et al). 1987;114:1248-9 (Brief comm.)

Episcardial mapping during induction of nonsustained polymorphic ventricular tachycardia in a 7-day-old canine myocardial infarction model (Ogawa et al). 1987;114:34-41

Five-year mortality rate in relation to enzyme-estimated infarct size in acute myocardial infarction (Herlitz et al). 1987;114:731-7

High-risk subgroups of patients with non-Q wave myocardial infarction based on direction and severity of ST segment deviation (Willich et al). 1987;114:1110-9

Hypoplasia of the left coronary artery complicated by reversible myocardial ischemia in a newborn (Casta). 1987;114:1238-41 (Brief comm.)

Influence of obesity on morbidity and mortality after acute myocardial infarction (Hoit et al). 1987;114:1334-41

Interventricular septal motion in acute myocardial infarction with proximal and distal left anterior descending coronary lesions (Kureshi et al). 1987;114:1329-33

Percutaneous transluminal coronary angioplasty in patients with prior myocardial infarction: angioplasty at a distance from the prior infarct zone (Savage et al). 1987;114:1102-10

Plasma sialidase activity in acute myocardial infarction (Hanson et al). 1987;114:59-63

Rate and extent of recovery of left ventricular function in patients following acute myocardial infarction (Sabbah et al). 1987;114:516-24

Reduction in myocardial neutrophil accumulation and infarct size following administration of thromboxane inhibitor U-63,557A (Wargovich et al). 1987;114:1078-85

Resolution of extensive left ventricular dyskinesia 3 months after acute myocardial infarction (Berger et al). 1987;114:1508-10 (Brief comm.)

Risk stratification after acute myocardial infarction by means of exercise two-dimensional echocardiography (Ryan et al). 1987;114:1305-16

ST segment changes in exercise body surface mapping after myocardial infarction in patients with isolated left anterior descending coronary artery disease (Yasumura et al). 1987;114:1120-8

Transient appearance of the ECG pattern of acute transmural anterior myocardial infarction during exercise stress testing (Maze and Lloyd). 1987;114:659-61 (Brief comm.)

**Myocardial ischemia; see Ischemia****Myocardium; see also Ischemia; Myocardial infarction**

Cellular electrophysiologic characteristics of surviving subendocardial fibers in chronically infarcted right ventricular myocardium susceptible to inducible sustained ventricular tachycardia (Sugi et al). 1987;114:559-69

Effect of myocyte necrosis on strength, strain, and stiffness of isolated myocardial strips (Przyklenk et al). 1987;114:1349-59

# **Myocardium—Cont'd**

- Predictive value of immunofluorescence and electron microscopic evaluation of endomyocardial biopsies in the diagnosis and prognosis of myocarditis and idiopathic dilated cardiomyopathy (Hammond et al). 1987;114:1055-65
- Reduction in myocardial neutrophil accumulation and infarct size following administration of thromboxane inhibitor U-63,557A (Wargovich et al). 1987;114:1078-85
- Regional differences in postischemic recovery in the stunned canine myocardium (Farber et al). 1987;114:1086-95
- Relationship between Tl-201, Tc-99m (Sn) pyrophosphate, and F-18 2-deoxyglucose uptake in ischemically injured dog myocardium (Sochor et al). 1987;114:1066-77
- Therapeutic options to minimize free radical damage and thrombogenicity in ischemic/reperfused myocardium (Maza and Frishman). 1987;114:1206-15 (Curriculum cardiol.)
- Time course of recovery of "stunned" myocardium following variable periods of ischemia in conscious and anesthetized dogs (Preuss et al). 1987;114:696-703

# **Myocyte**

- Effect of myocyte necrosis on strength, strain, and stiffness of isolated myocardial strips (Przyklenk et al). 1987;114:1349-59

# **Myxoma**

- Complementary use of two-dimensional echocardiography and magnetic resonance imaging in the diagnosis of ventricular myxoma (Camesas et al). 1987;114:440-2 (Brief comm.)
- Syndrome cardiac myxoma: more than just a sporadic event (Vatterott et al). 1987;114:886-9 (Brief comm.)

## **N**

# **Necrosis**

- Effect of myocyte necrosis on strength, strain, and stiffness of isolated myocardial strips (Przyklenk et al). 1987;114:1349-59

# **Nerve stimulation**

- Catecholamine metabolism during pacing-induced angina pectoris and the effect of transcutaneous electrical nerve stimulation (Emanuelsson et al). 1987;114:1360-6

# **Neutrophil**

- Reduction in myocardial neutrophil accumulation and infarct size following administration of thromboxane inhibitor U-63,557A (Wargovich et al). 1987;114:1078-85

# **Newborn; see Infant**

# **Nicardipine hydrochloride**

- Acute and chronic hemodynamic effects of nicardipine hydrochloride in patients with heart failure (Burlew et al). 1987;114:793-804

# **Nicotine**

- Increased afferent vagal responses produced by epicardial application of nicotine on the canine posterior left ventricle (Inoue and Zipes). 1987;114:757-64

# **Nifedipine**

- Influence of nifedipine on arterial baroreflex modulation of heart rate control during dynamic increases in arterial pressure: studies in normal man (Ferguson). 1987;114:773-81

# **Nitroglycerin**

- Coronary arteriography in the intact rabbit: demonstration of coronary vasomotor and electrocardiographic effects of ergonovine and indomethacin in rabbits after abrupt cessation of prolonged nitroglycerin treatment (Booth et al). 1987;114:343-9

# **Node**

- Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

# **Nodoventricular reentry**

- Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

# **Non-beta-adrenergic blocking drugs**

- Influence of non-beta-adrenergic blocking drugs on left ventricular hypertrophy (Fouad-Tarazi). 1987;114:971-4 (Symposium)
- The influence of non-beta-blocking drugs on the lipid profile: are diuretics outclassed as initial therapy for hypertension? (Ames). 1987;114:998-1006 (Symposium)

# **Non-Q wave myocardial infarction**

- High-risk subgroups of patients with non-Q wave myocardial infarction based on direction and severity of ST segment deviation (Willich et al). 1987;114:1110-9

# **Norepinephrine**

- Predicting survival for an individual with congestive heart failure using the plasma norepinephrine concentration (Rector et al). 1987;114:148-52 (Prog. cardiol.)

## **O**

# **Obesity**

- Influence of obesity on morbidity and mortality after acute myocardial infarction (Hoit et al). 1987;114:1334-41

# **Obstruction**

- Noninvasive evaluation of mid-left ventricular obstruction by two-dimensional and Doppler echocardiography and color flow Doppler echocardiography (Blazer et al). 1987;114:1162-8

# **Occlusion**

- Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:687-95

# **Opacification**

- Successful left ventricular opacification following peripheral venous injection of sonicated contrast agent: an experimental evaluation (Keller et al). 1987;114:570-5

# **Oral administration**

- Effects of acute intravenous and chronic oral amiodarone on defibrillation energy requirements (Fain et al). 1987;114:8-17

- Electrophysiologic and antiarrhythmic effects of oral encainide in patients with atrioventricular nodal reentry or nodoventricular reentry (Miles et al). 1987;114:26-33

# **Overloaded heart**

- Structural and functional adaptation of the chronically overloaded heart in arterial hypertension (Strauer). 1987;114:948-57 (Symposium)

## **P**

# **Pacemaker; see also Pacing**

- Pacemaker Wenckebach secondary to variable latency: an unusual form of hyperkalemic pacemaker exit block (Varriale and Manolis). 1987;114:189-92 (Brief comm.)
- Cephalic vein guide wire technique for implantation of permanent pacemakers (Ong et al). 1987;114:753-6

# **Pacing**

- Augmented preexcitation assessed by scintigraphic phase analysis during atrial pacing (Botvinick et al). 1987;114:738-45
- The hemodynamic effects of ventricular pacing with and without atrioventricular synchrony in patients with normal and diminished left ventricular function (DiCarlo et al). 1987;114:746-52
- Termination of ventricular tachycardia by transcutaneous cardiac pacing (Barold et al). 1987;114:180-2 (Brief comm.)

# **Papaverine**

- Effect of papaverine administration on myocardial echocardiographic contrast distribution (Ten Cate et al). 1987;114:1248-9 (Brief comm.)
- Superiority of intracoronary papaverine to radiographic contrast for measuring coronary flow reserve in patients with ischemic heart disease (Hodgson and Williams). 1987;114:704-10

# **Papillary muscle**

- Rupture of tricuspid valve papillary muscle during balloon pulmonary valvuloplasty (Attia et al). 1987;114:1233-5 (Brief comm.)

# **Paradoxical interventricular septal motion**

- Mechanisms of the development and resolution of paradoxical interventricular septal motion after uncomplicated cardiac surgery (Feneley et al). 1987;114:106-14

# **Paralysis**

- Childhood periodic paralysis with dysrhythmias: electrophysiologic and histopathologic evaluation (Karpawich et al). 1987;114:186-9 (Brief comm.)

**Patent ductus arteriosus**

Calcification of patent ductus arteriosus detected by two-dimensional echocardiography (Vargas-Barron et al). 1987;114:446-8 (Brief comm.)

**Pediatric cardiology; see also Infant**

The science and practice of pediatric cardiology in the next decade (Garson). 1987;114:462-8 (Editorial)

**Percutaneous coronary angiography**

Percutaneous coronary angiography in patients with ischemic heart disease (Uchida et al). 1987;114:1216-22 (Prog. cardiol.)

**Percutaneous transluminal coronary angioplasty**

Angioplasty of chronic totally occluded coronary arteries: usefulness of retrograde opacification of the distal part of the occluded vessel via the contralateral coronary artery (Grolhier et al). 1987;114:1324-8

Contrast perfusion echocardiography: identification of area at risk of dyskinesia during percutaneous transluminal coronary angioplasty (Griffin et al). 1987;114:497-502

Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)

Emergency percutaneous transluminal coronary angioplasty of left main stenosis (Nakhjavan et al). 1987;114:643-6 (Brief comm.)

Percutaneous transluminal coronary angioplasty in patients with prior myocardial infarction: angioplasty at a distance from the prior infarct zone (Savage et al). 1987;114:1102-10

Significance of intimal tears in the mechanism of luminal enlargement in percutaneous transluminal coronary angioplasty: correlation of histologic and angiographic findings in postmortem human hearts (Hoshino et al). 1987;114:503-10

**Pericardium**

Hemodynamic effect of dextran, dobutamine, and pericardiocentesis in cardiac tamponade secondary to subacute heart rupture (Coma-Canella et al). 1987;114:78-84

Pulmonary trunk stenosis due to constriction by a pericardial band (Nigri et al). 1987;114:448-50 (Brief comm.)

Right-to-left intracardiac shunt and constrictive pericarditis following coronary artery bypass surgery (Kleiman et al). 1987;114:431-3 (Brief comm.)

Tuberculous pericarditis as the first manifestation of acquired immunodeficiency syndrome (Dalli et al). 1987;114:905-6 (Brief comm.)

Two-dimensional echocardiographic demonstration of intrapericardial fibrinous strands in rheumatoid pericarditis (Lam and Rapaport). 1987;114:442-4 (Brief comm.)

**Pharmacokinetics and pharmacodynamics**

Pharmacokinetics and pharmacodynamics of antiarrhythmic agents in patients with congestive heart failure (Woosley). 1987;114:1280-90 (Symposium)

**Pharmacology**

Beta blockers and left ventricular hypertrophy in hypertension (Trimarco et al). 1987;114:975-83 (Symposium)

Cardiovascular outcomes of treating high blood pressure (Weber). 1987;114:964-71 (Symposium)

Double-blind trial of the long-term effects of acebutolol and propranolol on serum lipoproteins in patients with stable angina pectoris (Miller et al). 1987;114:1007-10 (Symposium)

Increased procainamide plasma concentrations caused by quinidine: a new drug interaction (Hughes et al). 1987;114:908-9 (Brief comm.)

Influence of non-beta-adrenergic blocking drugs on left ventricular hypertrophy (Fouad-Tarazi). 1987;114:971-4 (Symposium)

Pharmacologic approaches to management of arrhythmias in patients with cardiomyopathy and heart failure (Myerburg et al). 1987;114:1273-9 (Symposium)

The role of antihypertensive pharmacologic treatment in countering adverse pathophysiological profiles: influence on small arteries (Dahlöf). 1987;114:984-91 (Symposium)

The role of drugs in countering adverse pathophysiological profiles: influence on hemodynamics (Lund-Johansen). 1987;114:958-64 (Symposium)

Therapeutic drug monitoring in cardiology: recognizing pitfalls and problems (Ochs and Greenblatt). 1987;114:204-8 (Editorial)

**Pheochromocytoma**

Cardiac pheochromocytoma involving the left main coronary artery presenting with exertional angina (Stowers et al). 1987;114:423-7 (Brief comm.)

**Piroximone**

Piroximone (MDL 19, 205) in the treatment of unstable and stable chronic cardiac failure (Weber et al). 1987;114:805-13

**Plaques**

Thrombosed, ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: ten years' experience (Walts et al). 1987;114:718-23

**Plasma**

Plasma sialidase activity in acute myocardial infarction (Hanson et al). 1987;114:59-63

Predicting survival for an individual with congestive heart failure using the plasma norepinephrine concentration (ReCTOR et al). 1987;114:148-52 (Prog. cardiol.)

**Plasminogen activator**

TPA: Is it worth the price? (Rich). 1987;114:1259-61 (Editorial)

**Potassium**

Hypokalemia after cardioversion from ventricular tachycardia induced in the electrophysiology laboratory (Salerno et al). 1987;114:1389-95

**Preexcitation**

Augmented preexcitation assessed by scintigraphic phase analysis during atrial pacing (Botvinick, Schechtman, Dae, et al). 1987;114:738-45

**Pressure**

Assessment of the relationship between distal occluded pressure and angiographically evident collateral flow during coronary angioplasty (Dervan et al). 1987;114:491-7

Left ventricular systolic circular index: an echocardiographic measure of transeptal pressure ratio (Portman et al). 1987;114:1178-82

A prospective comparison of continuous wave versus high pulse repetition frequency Doppler echocardiography for quantifying transvalvular pressure gradients in adults with aortic stenosis (Rothbart et al). 1987;114:1155-62

**Prevention**

Review of primary prevention trials (Rose). 1987;114:1013-7 (Symposium)

What are we trying to prevent by controlling hypertension? (Oliver). 1987;114:1011-2 (Symposium)

**Procainamide**

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine (Klein et al). 1987;114:551-8

Increased procainamide plasma concentrations caused by quinidine: a new drug interaction (Hughes et al). 1987;114:908-9 (Brief comm.)

**Programmed electrical stimulation**

Amiodarone in patients with recurrent sustained ventricular tachyarrhythmias: results of programmed electrical stimulation and long-term clinical outcome in chronic treatment (Schmitt et al). 1987;114:279-83

**Progress in cardiology**

Progress in cardiology. 1987;114:148-58; 407-19; 615-38; 836-65; 1216-31; 1445-66

**Prolapse**

Mitral valve prolapse with mobile polypoid cul-de-sac thrombus and embolism to brain and lower extremity (Egeblad and Hesse). 1987;114:648-50 (Brief comm.)

The QT and QS<sub>c</sub> intervals in patients with mitral leaflet prolapse (Chambers and Ward). 1987;114:355-61

**Propafenone**

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine (Klein et al). 1987;114:551-8

**Propranolol**

Double-blind trial of the long-term effects of acebutolol and propranolol on serum lipoproteins in patients with stable angina pectoris (Miller et al). 1987;114:1007-10 (Symposium)

**Prosthetic valve**

Balloon dilation valvuloplasty of bioprosthetic valves in extracardiac conduits (Lloyd et al). 1987;114:268-74

Evaluation of normal prosthetic valve function by Doppler echocardiography (Cooper et al). 1987;114:576-82

Late failure of bioprostheses excision for treatment of recurrence of *Pseudomonas aeruginosa* tricuspid valve endocarditis previously treated by valve replacement (Mansur et al). 1987;114:666-8 (Brief comm.)

Serial Doppler echocardiographic evaluation of an acutely thrombosed mitral valve prosthesis during thrombolytic therapy (Camesas et al). 1987;114:1511-3 (Brief comm.)



### ***Pseudomonas aeruginosa***

Late failure of bioprosthesis excision for treatment of recurrence of *Pseudomonas aeruginosa* tricuspid valve endocarditis previously treated by valve replacement (Mansur et al). 1987;114:666-8 (Brief comm.)

### **Pulmonary artery**

Aortic origin of the right pulmonary artery in an adult: successful surgical correction (Gibbs et al). 1987;114:1241-3 (Brief comm.)

Pulmonary trunk stenosis due to constriction by a pericardial band (Nigri et al). 1987;114:448-50 (Brief comm.)

Septic pulmonary emboli secondary to an infected right atrial thrombus (Lam et al). 1987;114:178-80 (Brief comm.)

### **Pulmonary atresia**

Abnormalities of the coronary circulation in pulmonary atresia and intact ventricular septum (Kasznica et al). 1987;114:1415-20

### **Pulmonary embolism**

Clinical suspicion of autopsy-proven thrombotic and tumor pulmonary embolism in cancer patients (Goldhaber et al). 1987;114:1432-5

Impact of lung scanning on the management of suspected pulmonary embolism (Dawley and Goldhaber). 1987;114:669-71 (Editorial)

Pulmonary embolism and thrombophlebitis in the United States, 1970-1985 (Gillum). 1987;114:1262-4 (Editorial)

### **Pulmonary hemodynamics**

Natural history of pulmonary hemodynamics in primary pulmonary hypertension (Kanemoto). 1987;114:407-12 (Prog. cardi.)

### **Pulmonary stenosis**

Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome (D'Orsogna et al). 1987;114:647-8 (Brief comm.)

### **Pulmonary valvuloplasty**

Rupture of tricuspid valve papillary muscle during balloon pulmonary valvuloplasty (Attia et al). 1987;114:1233-5 (Brief comm.)

### **Pulmonary vein**

Echocardiographic diagnosis of anastomotic stricture following surgical correction of supracardiac total anomalous pulmonary venous connection (Leung et al). 1987;114:1518-20 (Brief comm.)

Left atrial appendage aneurysm with associated anomalous pulmonary venous drainage (LaBarre et al). 1987;114:1243-5 (Brief comm.)

### **Pulsus paradoxus**

The paradox of pulsus paradoxus (Henkind et al). 1987;114:198-203 (Editorial)

## **Q**

### **QT and QS<sub>1</sub> intervals**

The QT and QS<sub>1</sub> intervals in patients with mitral leaflet prolapse (Chambers and Ward). 1987;114:355-61

### **Quantitative shape analysis**

A comparison of traditional wall motion assessment and quantitative shape analysis: a new method for characterizing left ventricular function in humans (Mancini et al). 1987;114:1183-91

### **Quinidine**

Enhanced antiarrhythmic efficacy of propafenone when used in combination with procainamide or quinidine (Klein et al). 1987;114:551-8

Increased procainamide plasma concentrations caused by quinidine: a new drug interaction (Hughes et al). 1987;114:908-9 (Brief comm.)

## **R**

### **Radicals**

Therapeutic options to minimize free radical damage and thrombogenicity in ischemic/reperfused myocardium (Maza and Frishman). 1987;114:1206-15 (Curriculum cardi.)

### **Radiofrequency energy**

Transcatheter desiccation of the canine left ventricle using radiofrequency energy: a pilot study (Huang et al). 1987;114:42-8

### **Radiographic contrast**

Superiority of intracoronary papaverine to radiographic contrast for measuring coronary flow reserve in patients with ischemic heart disease (Hodgson and Williams). 1987;114:704-10

### **Refractory period**

Effects of abrupt changes in cycle length on atrial refractory periods in man (Soni et al). 1987;114:315-20

Refractoriness as a determinant of tachycardia inducibility in the right ventricle (Somberg and Schwartz). 1987;114:311-4

### **Regurgitation**

Color Doppler echocardiographic assessment of the change in the mitral regurgitant volume (Otsuji et al). 1987;114:349-54

Comparisons between diastolic fluttering and reverse doming of anterior mitral leaflet in aortic regurgitation (Trappe et al). 1987;114:1399-406

Doppler color flow mapping demonstration of diastolic mitral regurgitation in severe acute aortic regurgitation (Vandenbossche and Englert). 1987;114:889-90 (Brief comm.)

Transient severe mitral and tricuspid regurgitation following blunt chest trauma (Dodd et al). 1987;114:652-4 (Brief comm.)

### **Reperfusion**

Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:687-95

Early reperfusion therapy improves left ventricular function after acute inferior myocardial infarction associated with right coronary artery disease (Bates, Topol, Kline, et al). 1987;114:261-7

Metabolic support during coronary reperfusion (Staler et al). 1987;114:54-8

Therapeutic options to minimize free radical damage and thrombogenicity in ischemic/reperfused myocardium (Maza and Frishman). 1987;114:1206-15 (Curriculum cardi.)

### **Retrograde atrioventricular nodal conduction**

Effect of concealed anterograde impulse penetration on retrograde atrioventricular nodal conduction in man (Lehmann et al). 1987;114:1374-83

### **Retrograde transport**

Retrograde transport of coronary thrombus by angioplasty guidewire (Kern et al). 1987;114:1506-8 (Brief communications)

### **Revascularization**

Clinical laser revascularization of coronary obstruction with the coaxial-guided laser-heated metal cap catheter (Lee et al). 1987;114:1524-6 (Brief comm.)

### **Rheumatoid pericarditis**

Two-dimensional echocardiographic demonstration of intrapericardial fibrinous strands in rheumatoid pericarditis (Lam and Rapaport). 1987;114:442-4 (Brief comm.)

### **Right atrium**

Prolonged survival associated with spontaneous disappearance of untreated right atrial intracavitary metastasis (Atay et al). 1987;114:437-40 (Brief comm.)

### **Right ventricle**

Cellular electrophysiologic characteristics of surviving subendocardial fibers in chronically infarcted right ventricular myocardium susceptible to inducible sustained ventricular tachycardia (Sugi et al). 1987;114:559-69

Increased right ventricular afterload alters left ventricular function in newborn lambs (Milstein and Bennett). 1987;114:369-77

Refractoriness as a determinant of tachycardia inducibility in the right ventricle (Somberg and Schwartz). 1987;114:311-4

### **Risk factors**

Hypertension and coronary risk: possible adverse effects of antihypertensive drugs (Robertson). 1987;114:1051-4 (Symposium)

Hypertension and other risk factors in coronary heart disease (Kannel). 1987;114:918-25 (Symposium)

Risk stratification after acute myocardial infarction by means of exercise two-dimensional echocardiography (Ryan et al). 1987;114:1305-16

Trends in cardiovascular risk factors in an urban black population, 1973-74 to 1985: the Minnesota Heart Survey (Folsom et al). 1987;114:1199-205

### **Rotational devices**

Mechanical thrombectomy: a comparison of two rotational devices and balloon angioplasty in subacute canine femoral thrombosis (Hansen et al). 1987;114:1223-31 (Prog. cardi.)

### **Rupture**

Hemodynamic effect of dextran, dobutamine, and pericardiocentesis in cardiac tamponade secondary to subacute heart rupture (Coma-Canella et al). 1987;114:78-84

Ruptured sinus of Valsalva aneurysm in childhood (Gleason et al). 1987;114:1235-8 (Brief comm.)

**Rupture—Cont'd**

- Subacute left ventricular free wall rupture with false aneurysm visualized by two-dimensional echocardiography (Keller et al). 1987;114:170-2 (Brief comm.)

**S****St. Jude valve**

- The St. Jude valve: analysis of thromboembolism, warfarin-related hemorrhage, and survival (Czer et al). 1987;114:389-97 (Curriculum cardiol.)

**Saphenous vein**

- Thrombosed, ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: ten years' experience (Watts et al). 1987;114:718-23

**Scanning**

- Impact of lung scanning on the management of suspected pulmonary embolism (Dawley and Goldhaber). 1987;114:669-71 (Editorial)

**Scintigraphy**

- Augmented preexcitation assessed by scintigraphic phase analysis during atrial pacing (Botvinick et al). 1987;114:738-45  
Thallium scintigraphic evidence of reversible myocardial ischemia caused by anomalous origin of the left main coronary artery from the anterior sinus of Valsalva (Lesnefsky et al). 1987;114:896-7 (Brief comm.)

**Septum**

- Abnormalities of the coronary circulation in pulmonary atresia and intact ventricular septum (Kasznica et al). 1987;114:1415-20  
Atrial septal hematoma: two-dimensional echocardiographic findings after blunt chest trauma (Rowe and Porter). 1987;114:650-2 (Brief comm.)  
Development of a subaortic membrane after surgical closure of a membranous ventricular septal defect in an infant (Hegesh et al). 1987;114:899-902 (Brief comm.)  
Interventricular septal motion in acute myocardial infarction with proximal and distal left anterior descending coronary lesions (Kureshi et al). 1987;114:1329-33  
Mechanisms of the development and resolution of paradoxical interventricular septal motion after uncomplicated cardiac surgery (Feneley et al). 1987;114:106-14  
Twenty-five-year experience with ventricular septal defect in infants and children (Van Hare et al). 1987;114:606-14 (Curriculum cardiol.)  
Ventricular septal defect in the adult: natural and unnatural history (Ellis et al). 1987;114:115-20

**Sex**

- Sex, plasma lipoproteins, and atherosclerosis: prevailing assumptions and outstanding questions (Godsland et al). 1987;114:1467-503 (Special report)

**Shape analysis**

- A comparison of traditional wall motion assessment and quantitative shape analysis: a new method for characterizing left ventricular function in humans (Mancini et al). 1987;114:1183-91

**Shunt**

- Right-to-left intracardiac shunt and constrictive pericarditis following coronary artery bypass surgery (Kleiman et al). 1987;114:431-3 (Brief comm.)

**Sialidase**

- Plasma sialidase activity in acute myocardial infarction (Hanson et al). 1987;114:59-63

**Sinus bradycardia**

- Bedside evaluation of sinus bradycardia: usefulness of atropine test in discriminating organic from autonomic involvement of sinus automaticity (Cappato et al). 1987;114:1384-8

**Sinus cycle**

- Analysis of sinus cycle variation: a new method for evaluation of suspected sinus node dysfunction (Bergfeldt et al). 1987;114:321-7

**Sinus of Valsalva**

- Aneurysm of the sinus of Valsalva: a roentgenologic study of 105 Chinese patients (Guo et al). 1987;114:1169-77  
Ruptured sinus of Valsalva aneurysm in childhood (Gleason et al). 1987;114:1235-8 (Brief comm.)

**Sinus of Valsalva—Cont'd**

- Thallium scintigraphic evidence of reversible myocardial ischemia caused by anomalous origin of the left main coronary artery from the anterior sinus of Valsalva (Lesnefsky et al). 1987;114:896-7 (Brief comm.)

**Sotalol**

- The antiarrhythmic effects of d-sotalol (Schwartz et al). 1987;114:539-44  
Effects of intravenous sotalol in patients with atrioventricular accessory pathways (Touboul, Atallah, Kirkorian, et al). 1987;114:545-50  
Long-term experience with sotalol in the treatment of complex ventricular arrhythmias (Anastasiou-Nana et al). 1987;114:288-96  
Sotalol: a beta blocker with unique antiarrhythmic properties (Singh and Nademanee). 1987;114:121-39 (Curriculum cardiol.)

**Spasm**

- Mistaking catheter-induced coronary arterial dissection for coronary spasm (MacAlpin). 1987;114:671-86 (Editorial)

**Special report**

- Special report. 1987;114:866-85; 1467-503

**ST segment**

- Differences in the frequency of ST segment depression during upright and supine exercise: assessment in normal and in patients with coronary artery disease (Bailey et al). 1987;114:1317-23  
High-risk subgroups of patients with non-Q wave myocardial infarction based on direction and severity of ST segment deviation (Willich et al). 1987;114:1110-9  
ST segment changes in exercise body surface mapping after myocardial infarction in patients with isolated left anterior descending coronary artery disease (Yasumura et al). 1987;114:1120-8

**Stenosis**

- Angioscopy of blood flow through stenotic arteries: rheologic mechanism of thrombosis (Uchida et al). 1987;114:1504-6 (Brief comm.)  
Atrial fibrillation and atrial enlargement in patients with mitral stenosis (Keren et al). 1987;114:1146-55  
Coronary artery stenosis complicating coronary angioplasty: report of six cases (Hamby et al). 1987;114:639-43 (Brief comm.)  
Double-balloon valvuloplasty of tricuspid stenosis (Khalilullah et al). 1987;114:1232-3 (Brief comm.)  
Emergency percutaneous transluminal coronary angioplasty of left main stenosis (Nakhjavan et al). 1987;114:643-6 (Brief comm.)  
A prospective comparison of continuous wave versus high pulse repetition frequency Doppler echocardiography for quantifying transvalvular pressure gradients in adults with aortic stenosis (Rothbart et al). 1987;114:1155-62  
Pulmonary trunk stenosis due to constriction by a pericardial band (Nigri et al). 1987;114:448-50 (Brief comm.)  
Rapid development of severe coronary stenosis in a vessel with minimal angiographic irregularities (Zelman et al). 1987;114:1245-8 (Brief comm.)  
Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome (D'Orsogna et al). 1987;114:647-8 (Brief comm.)

**Stimulation**

- Amiodarone in patients with recurrent sustained ventricular tachyarrhythmias: results of programmed electrical stimulation and long-term clinical outcome in chronic treatment (Schmitt et al). 1987;114:279-83  
Effect of spatial separation of stimulation sites on ventricular refractoriness during programmed electrical stimulation (Stevenson et al). 1987;114:1396-9

**Stimuli**

- Limitations of bipolar and unipolar conditioning stimuli for inhibition in the human heart (Stevenson et al). 1987;114:303-10

**Stress**

- Psychological stress and silent myocardial ischemia (Freeman et al). 1987;114:477-82

**Stress test**

- Significance of T wave normalization in the electrocardiogram during exercise stress test (Marin, Heng, Sevrin, et al). 1987;114:1342-8

# **Stress test—Cont'd**

Transient appearance of the ECG pattern of acute transmural anterior myocardial infarction during exercise stress testing (Maze and Lloyd). 1987;114:659-61 (Brief comm.)

# **Stricture**

Echocardiographic diagnosis of anastomotic stricture following surgical correction of supracardiac total anomalous pulmonary venous connection (Leung et al). 1987;114:1518-20 (Brief comm.)

# **Subaortic membrane**

Development of a subaortic membrane after surgical closure of a membranous ventricular septal defect in an infant (Hegesh et al). 1987;114:899-902 (Brief comm.)

# **Sudden death**

Arrhythmias as predictors of sudden death (Coumel et al). 1987;114:929-37 (Symposium)

# **Supraventricular tachycardia**

Failure of episodic high-dose oral verapamil therapy to convert supraventricular tachycardia: a study of plasma verapamil levels and gastric motility (Hamer et al). 1987;114:334-42

# **Survival rates**

Predicting survival for an individual with congestive heart failure using the plasma norepinephrine concentration (Recor et al). 1987;114:148-52 (Prog. cardiol.)

Prolonged survival associated with spontaneous disappearance of untreated right atrial intracavitary metastasis (Atay et al). 1987;114:437-40 (Brief comm.)

The St. Jude valve: analysis of thromboembolism, warfarin-related hemorrhage, and survival (Czer et al). 1987;114:389-97 (Curriculum cardiol.)

# **Systolic function**

Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:687-95

Left ventricular systolic circular index: an echocardiographic measure of transseptal pressure ratio (Portman et al). 1987;114:1178-82

Two-dimensional echocardiography and color Doppler imaging in patients with systolic-diastolic murmurs (Vargas-Barron et al). 1987;114:1461-6 (Prog. cardiol.)

## **T**

# **T wave**

Significance of T wave normalization in the electrocardiogram during exercise stress test (Marin et al). 1987;114:1342-8

# **Tachycardia**

Amiodarone in patients with recurrent sustained ventricular tachyarrhythmias: results of programmed electrical stimulation and long-term clinical outcome in chronic treatment (Schmitt et al). 1987;114:279-83

Amiodarone for sustained ventricular tachycardia: efficacy, safety, and factors influencing long-term outcome (Bauman et al). 1987;114:1436-44 (Curriculum cardiol.)

Catecholamine-sensitive ventricular tachycardia (Vlay). 1987;114:455-61 (Editorial)

Cellular electrophysiologic characteristics of surviving subendocardial fibers in chronically infarcted right ventricular myocardium susceptible to inducible sustained ventricular tachycardia (Sugi et al). 1987;114:559-69

Chest thump terminating atrioventricular nodal reentry tachycardia (Kracoff et al). 1987;114:904-5 (Brief comm.)

Daily variability of electrically induced reciprocating tachycardia in patients with atrioventricular accessory pathways (Cinca et al). 1987;114:327-33

Epicardial mapping during induction of nonsustained polymorphic ventricular tachycardia in a 7-day-old canine myocardial infarction model (Ogawa et al). 1987;114:34-41

Failure of episodic high-dose oral verapamil therapy to convert supraventricular tachycardia: a study of plasma verapamil levels and gastric motility (Hamer et al). 1987;114:334-42

Hypokalemia after cardioversion from ventricular tachycardia induced in the electrophysiology laboratory (Salerno et al). 1987;114:1389-95

Localization of slow conduction in a ventricular tachycardia circuit: implications for catheter ablation (Stevenson et al). 1987;114:1253-8 (Brief comm.)

# **Tachycardia—Cont'd**

Oncocytic cardiomyopathy of infancy with Wolff-Parkinson-White syndrome and ectopic foci causing tachyarrhythmias in children (Keller et al). 1987;114:782-92

Predictors of antiarrhythmic drug efficacy in patients with malignant ventricular tachyarrhythmias (Hohnloser et al). 1987;114:1-7

The prognostic value of the changes in the mode of ventricular tachycardia induction noted during therapy with a marked reduction of ventricular ectopic activity (Kim et al). 1987;114:1138-45

Refractoriness as a determinant of tachycardia inducibility in the right ventricle (Somberg and Schwartz). 1987;114:311-4

Successful catheter ablation of noninducible ventricular tachycardia (Colavita et al). 1987;114:1515-8 (Brief comm.)

Termination of ventricular tachycardia by transcutaneous cardiac pacing (Barold et al). 1987;114:180-2 (Brief comm.)

Transient entrainment of ventricular tachycardia with continuous local electrical activity (Aizawa et al). 1987;114:182-4 (Brief comm.)

Ventricular tachycardia revealing a hydatid cyst (Sirinelli et al). 1987;114:656-9 (Brief comm.)

# **Takayasu's aortitis**

Complete evaluation of the cardiovascular lesions in 24 patients with Takayasu's aortitis using four-image, intravenous digital subtraction angiography (Yamamoto et al). 1987;114:1426-31

# **Tamponade**

Hemodynamic effect of dextran, dobutamine, and pericardiocentesis in cardiac tamponade secondary to subacute heart rupture (Coma-Canella et al). 1987;114:78-84

Hydropneumopericardium with tamponade as a late complication of surgical repair of hiatus hernia (de Bruyne et al). 1987;114:444-6 (Brief comm.)

# **Tc-99m (Sn) pyrophosphate**

Relationship between Tl-201, Tc-99m (Sn) pyrophosphate, and F-18 2-deoxyglucose uptake in ischemically injured dog myocardium (Sochor et al). 1987;114:1066-77

# **Tears**

Significance of intimal tears in the mechanism of luminal enlargement in percutaneous transluminal coronary angioplasty: correlation of histologic and angiographic findings in postmortem human hearts (Hoshino et al). 1987;114:503-10

# **Testing**

Chronic flecainide therapy selected by electrophysiology testing of intravenous flecainide (Somberg et al). 1987;114:18-25

# **Tetralogy of Fallot**

Late-onset unprecedented complete atrioventricular block after tetralogy of Fallot repair: electrophysiologic findings (Karpawich et al). 1987;114:654-6 (Brief comm.)

# **Thallium**

Comparison of intravenous dipyrindamole thallium cardiac imaging with exercise radionuclide angiography (Okada et al). 1987;114:524-31

Computer versus visual analysis of exercise thallium-201 images: a critical appraisal in 325 patients with chest pain (Kaul et al). 1987;114:1129-37

Relationship between Tl-201, Tc-99m (Sn) pyrophosphate, and F-18 2-deoxyglucose uptake in ischemically injured dog myocardium (Sochor et al). 1987;114:1066-77

Thallium imaging with single photon emission computed tomography (Iskandrian et al). 1987;114:852-65 (Prog. cardiol.)

Thallium scintigraphic evidence of reversible myocardial ischemia caused by anomalous origin of the left main coronary artery from the anterior sinus of Valsalva (Lesnefsky et al). 1987;114:896-7 (Brief comm.)

Thallium-201 single-photon emission computed tomographic estimates of left ventricular mass in patients with and without ischemic heart disease (Narahara et al). 1987;114:84-90

# **Thromboembolism**

Right heart thromboembolism and suspected paradoxical embolism in Ebstein's anomaly (Fornace et al). 1987;114:1520-2 (Brief comm.)

The St. Jude valve: analysis of thromboembolism, warfarin-related hemorrhage, and survival (Czer et al). 1987;114:389-97 (Curriculum cardiol.)

**Thrombolysis**

Experimental canine arterial thrombus formation and thrombolysis: a fiberoptic study (Tomaru et al). 1987;114:63-9

**Thrombophlebitis**

Pulmonary embolism and thrombophlebitis in the United States, 1970-1985 (Gillum). 1987;114:1262-4 (Editorial)

**Thrombosis; see also Thrombus**

Angioscopy of blood flow through stenotic arteries: rheologic mechanism of thrombosis (Uchida et al). 1987;114:1504-6 (Brief comm.)

Clinical suspicion of autopsy-proven thrombotic and tumor pulmonary embolism in cancer patients (Goldhaber et al). 1987;114:1432-5

Mechanical thrombectomy: a comparison of two rotational devices and balloon angioplasty in subacute canine femoral thrombosis (Hansen et al). 1987;114:1223-31 (Prog. cardiol.)

Serial Doppler echocardiographic evaluation of an acutely thrombosed mitral valve prosthesis during thrombolytic therapy (Camesas et al). 1987;114:1511-3 (Brief comm.)

**Thromboxane**

Coronary vasoconstrictor response to cold pressor test in variant angina: lack of relation to intracoronary thromboxane concentrations (De Servi et al). 1987;114:511-5

Reduction in myocardial neutrophil accumulation and infarct size following administration of thromboxane inhibitor U-63,557A (Wargovich et al). 1987;114:1078-85

**Thrombus**

Experimental canine arterial thrombus formation and thrombolysis: a fiberoptic study (Tomaru et al). 1987;114:63-9

Mitral valve prolapse with mobile polypoid cul-de-sac thrombus and embolism to brain and lower extremity (Egeblad and Hesse). 1987;114:648-50 (Brief comm.)

Rapid development of left ventricular thrombus in a patient with myeloproliferative disorder (Toto et al). 1987;114:436-7 (Brief comm.)

Retrograde transport of coronary thrombus by angioplasty guidewire (Kern et al). 1987;114:1506-8 (Brief comm.)

Septic pulmonary emboli secondary to an infected right atrial thrombus (Lam et al). 1987;114:178-80 (Brief comm.)

Therapeutic options to minimize free radical damage and thrombogenicity in ischemic/reperfused myocardium (Maza and Frishman). 1987;114:1206-15 (Curriculum cardiol.)

Two-dimensional echocardiographic detection of biatrial thrombi (Okun et al). 1987;114:184-6 (Brief comm.)

**Tissue plasminogen activator**

TPA: Is it worth the price? (Rich). 1987;114:1259-61 (Editorial)

**Tocainide**

Double-blind randomized comparison of intravenous tocainide versus lidocaine in the treatment of chronic ventricular arrhythmias (Mohiuddin et al). 1987;114:296-302

**Tomography; see Computed tomography****Transcutaneous cardiac pacing**

Termination of ventricular tachycardia by transcutaneous cardiac pacing (Barold et al). 1987;114:180-2 (Brief comm.)

**Transcutaneous electrical nerve stimulation**

Catecholamine metabolism during pacing-induced angina pectoris and the effect of transcutaneous electrical nerve stimulation (Emanuelsson et al). 1987;114:1360-6

**Transluminal coronary angioplasty; see Percutaneous transluminal coronary angioplasty****Transseptal pressure ratio**

Left ventricular systolic circular index: an echocardiographic measure of transseptal pressure ratio (Portman et al). 1987;114:1178-82

**Transvalvular pressure gradients**

A prospective comparison of continuous wave versus high pulse repetition frequency Doppler echocardiography for quantifying transvalvular pressure gradients in adults with aortic stenosis (Rothbart et al). 1987;114:1155-62

**Trauma**

Atrial septal hematoma: two-dimensional echocardiographic findings after blunt chest trauma (Rowe and Porter). 1987;114:650-2 (Brief comm.)

Fistula between noncoronary sinus of Valsalva and right atrium after blunt chest trauma (Kamiya et al). 1987;114:429-31 (Brief comm.)

**Trauma—Cont'd**

Transient severe mitral and tricuspid regurgitation following blunt chest trauma (Dodd et al). 1987;114:652-4 (Brief comm.)

**Treadmill testing**

Merits and limitations of quantitative treadmill exercise score (Vergari et al). 1987;114:819-25 (Curriculum cardiol.)

**Tricuspid valve**

Double-balloon valvuloplasty of tricuspid stenosis (Khalilullah et al). 1987;114:1232-3 (Brief comm.)

Late failure of bioprosthesis excision for treatment of recurrence of *Pseudomonas aeruginosa* tricuspid valve endocarditis previously treated by valve replacement (Mansur et al). 1987;114:666-8 (Brief comm.)

Rupture of tricuspid valve papillary muscle during balloon pulmonary valvuloplasty (Attia et al). 1987;114:1233-5 (Brief comm.)

Transient severe mitral and tricuspid regurgitation following blunt chest trauma (Dodd et al). 1987;114:652-4 (Brief comm.)

**Tuberculous pericarditis**

Tuberculous pericarditis as the first manifestation of acquired immunodeficiency syndrome (Dalli et al). 1987;114:905-6 (Brief comm.)

**Tumor**

Clinical suspicion of autopsy-proven thrombotic and tumor pulmonary embolism in cancer patients (Goldhaber et al). 1987;114:1432-5

**Two-dimensional echocardiography; see Echocardiography****U****U wave**

Elimination of isolated exercise-induced U wave inversion after successful percutaneous transluminal coronary angioplasty of left anterior descending artery (Scholl et al). 1987;114:166-9 (Brief comm.)

**U-63,557A**

Reduction in myocardial neutrophil accumulation and infarct size following administration of thromboxane inhibitor U-63,557A (Wargovich et al). 1987;114:1078-85

**Ultrasonography; see Echocardiography****Umbilical artery**

Diagnosis of cerebral arteriovenous malformation by contrast two-dimensional and Doppler ultrasonography of the head after saline injection in the umbilical arterial line (Mardini et al). 1987;114:450-4 (Brief comm.)

**Unipolar stimulation**

Limitations of bipolar and unipolar conditioning stimuli for inhibition in the human heart (Stevenson et al). 1987;114:303-10

**V****Vagal responses**

Increased afferent vagal responses produced by epicardial application of nicotine on the canine posterior left ventricle (Inoue and Zipes). 1987;114:757-64

**Valsalva's sinus; see Sinus of Valsalva****Valve; see also Mitral valve; Tricuspid valve**

Balloon dilation valvuloplasty of bioprosthetic valves in extra-cardiac conduits (Lloyd et al). 1987;114:268-74

Disruption of the aortic valve as a result of *Haemophilus parainfluenzae* (Treister et al). 1987;114:663-6 (Brief comm.)

Evaluation of normal prosthetic valve function by Doppler echocardiography (Cooper et al). 1987;114:576-82

Role of Doppler and imaging echocardiography in selection of patients for cardiac valvular surgery (Peller et al). 1987;114:1445-60 (Prog. cardiol.)

The St. Jude valve: analysis of thromboembolism, warfarin-related hemorrhage, and survival (Czer et al). 1987;114:389-97 (Curriculum cardiol.)



# **Vasoconstrictor**

Accelerated hypertension complicated by myocardial infarction after use of a local anesthetic/vasoconstrictor preparation (Pearson et al). 1987;114:662-3 (Brief comm.)

Coronary vasoconstrictor response to cold pressor test in variant angina: lack of relation to intracoronary thromboxane concentrations (De Servi et al). 1987;114:511-5

# **Vasodilator**

Vasodilators as first-line therapy for congestive heart failure: a comparative hemodynamic study of hydralazine, digoxin, and their combination (Ribner et al). 1987;114:91-6

# **Vasospasm**

Angiographic and angioscopic observations of the arterial luminal changes induced by vasospasm (Uchida et al). 1987;114:1096-101

5-Fluorouracil-induced coronary vasospasm (Burger and Manino). 1987;114:433-6 (Brief comm.)

Observations on increased susceptibility to coronary artery vasospasm during beta blockade (Nielsen et al). 1987;114:192-4 (Brief comm.)

# **Velocity**

In vitro methods for studying the accuracy of velocity determination and spatial resolution of a color Doppler flow mapping system (Tamura et al). 1987;114:152-8 (Prog. cardiol.)

# **Ventricle; see also Arrhythmia; Tachycardia**

Abnormalities of the coronary circulation in pulmonary atresia and intact ventricular septum (Kasznica et al). 1987;114:1415-20

Beta blockers and left ventricular hypertrophy in hypertension (Trimarco et al). 1987;114:975-83 (Symposium)

Biventricular cardiac hypertrophy in essential hypertension (Nunez et al). 1987;114:813-8

Biventricular cavity obliteration by metastatic malignant melanoma: role of magnetic resonance imaging in the diagnosis (Gindea et al). 1987;114:1249-53 (Brief comm.)

Cellular electrophysiologic characteristics of surviving subendocardial fibers in chronically infarcted right ventricular myocardium susceptible to inducible sustained ventricular tachycardia (Sugi et al). 1987;114:559-69

A comparison of traditional wall motion assessment and quantitative shape analysis: a new method for characterizing left ventricular function in humans (Manchini et al). 1987;114:1183-91

Complementary use of two-dimensional echocardiography and magnetic resonance imaging in the diagnosis of ventricular myxoma (Camesas et al). 1987;114:440-2 (Brief comm.)

Dissociation between global and regional systolic and diastolic ventricular function during coronary occlusion and reperfusion (Verani et al). 1987;114:697-95

Early and late global and regional myocardial infarction: relationships of regional wall motion, wall thickening, and global performance (Kittleson et al). 1987;114:70-8

Early reperfusion therapy improves left ventricular function after acute inferior myocardial infarction associated with right coronary artery disease (Bates et al). 1987;114:261-7

Effect of spatial separation of stimulation sites on ventricular refractoriness during programmed electrical stimulation (Stevenson et al). 1987;114:1396-9

Evaluation of left ventricular diastolic function: clinical relevance and recent Doppler echocardiographic insights (Labovitz and Pearson). 1987;114:836-51 (Prog. cardiol.)

The hemodynamic effects of ventricular pacing with and without atrioventricular synchrony in patients with normal and diminished left ventricular function (DiCarlo et al). 1987;114:746-52

Increased afferent vagal responses produced by epicardial application of nicotine on the canine posterior left ventricle (Inoue and Zipes). 1987;114:757-64

Increased right ventricular afterload alters left ventricular function in newborn lambs (Milstein and Bennett). 1987;114:369-77

Influence of non-beta-adrenergic blocking drugs on left ventricular hypertrophy (Fouad-Tarazi). 1987;114:971-4 (Symposium)

Noninvasive evaluation of mid-left ventricular obstruction by two-dimensional and Doppler echocardiography and color flow Doppler echocardiography (Blazer et al). 1987;114:1162-8

# **Ventricle—Cont'd**

Rapid development of left ventricular thrombus in a patient with myeloproliferative disorder (Toto et al). 1987;114:436-7 (Brief comm.)

Rate and extent of recovery of left ventricular function in patients following acute myocardial infarction (Sabbah et al). 1987;114:516-24

Refractoriness as a determinant of tachycardia inducibility in the right ventricle (Somberg and Schwartz). 1987;114:311-4

Relationship of left ventricular mass to defibrillation threshold for the implantable defibrillator: a combined clinical and animal study (Chapman et al). 1987;114:274-8

Resolution of extensive left ventricular dyskinesia 3 months after acute myocardial infarction (Berger et al). 1987;114:1508-10 (Brief comm.)

Right and left coronary artery to left ventricle fistula detected by color Doppler flow mapping (Nishikimi et al). 1987;114:890-4 (Brief comm.)

Subacute left ventricular free wall rupture with false aneurysm visualized by two-dimensional echocardiography (Keller et al). 1987;114:170-2 (Brief comm.)

Thallium-201 single-photon emission computed tomographic estimates of left ventricular mass in patients with and without ischemic heart disease (Narahara et al). 1987;114:84-90

Transcatheter desiccation of the canine left ventricle using radiofrequency energy: a pilot study (Huang et al). 1987;114:42-8

Two-level left ventricular outflow balloon dilation: sequential therapeutic approach (Pan et al). 1987;114:162-5 (Brief comm.)

# **Ventricular arrhythmia; see Arrhythmia; Tachycardia**

# **Ventricular septal defect**

Development of a subaortic membrane after surgical closure of a membranous ventricular septal defect in an infant (Hegesh et al). 1987;114:899-902 (Brief comm.)

Twenty-five-year experience with ventricular septal defect in infants and children (Van Hare et al). 1987;114:606-14 (Curriculum cardiol.)

Ventricular septal defect in the adult: natural and unnatural history (Ellis et al). 1987;114:115-20

# **Verapamil**

Failure of episodic high-dose oral verapamil therapy to convert supraventricular tachycardia: a study of plasma verapamil levels and gastric motility (Hamer et al). 1987;114:334-42

# **Visual analysis**

Computer versus visual analysis of exercise thallium-201 images: a critical appraisal in 325 patients with chest pain (Kaul et al). 1987;114:1129-37

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# **Wall motion**

The clinical significance of exercise-induced left ventricular wall motion abnormality occurring at a low heart rate (Kimchi et al). 1987;114:724-30

A comparison of traditional wall motion assessment and quantitative shape analysis: a new method for characterizing left ventricular function in humans (Manchini et al). 1987;114:1183-91

Early and late global and regional left ventricular function after experimental transmural myocardial infarction: relationships of regional wall motion, wall thickening, and global performance (Kittleson et al). 1987;114:70-8

Subacute left ventricular free wall rupture with false aneurysm visualized by two-dimensional echocardiography (Keller et al). 1987;114:170-2 (Brief comm.)

# **Warfarin**

The St. Jude valve: analysis of thromboembolism, warfarin-related hemorrhage, and survival (Czer et al). 1987;114:389-97 (Curriculum cardiol.)

# **Wenckebach**

Pacemaker Wenckebach secondary to variable latency: an unusual form of hyperkalemic pacemaker exit block (Variale and Manolis). 1987;114:189-92 (Brief comm.)

**Williams syndrome**

Successful balloon angioplasty of peripheral pulmonary stenosis in Williams syndrome (D'Orsogna et al). 1987;114:647-8 (Brief comm.)

**Williams-Beuren syndrome**

Cardiovascular findings in the Williams-Beuren syndrome (Maisuls et al). 1987;114:897-9 (Brief comm.)

**Wolff-Parkinson-White syndrome**

Oncocytic cardiomyopathy of infancy with Wolff-Parkinson-White syndrome and ectopic foci causing tachydysrhythmias in children (Keller et al). 1987;114:782-92

**Women**

Metabolic risk factors for coronary heart disease in women: perspective from the Framingham Study (Kannel). 1987; 114:413-9 (Prog. cardiol.)

